

JP10158971A 19980616 NONWOVEN FABRIC Assignee/Applicant: TEIJIN LTD
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JP31088096 A 19961121 X **Application(No,Kind,Date):** JP31088096 A 19961121 **IPC:** 6D
04H 3/14 A **Language of Document:** NotAvailable **Abstract:**

PROBLEM TO BE SOLVED: To obtain a nonwoven fabric hardly generating the peeling between layers and the curling of a laminate, even when laminated to wet-made paper and subjected to a craping processing treatment, by partially integrally heat- pressing the web of specific sheath-core conjugate filaments.

SOLUTION: This nonwoven fabric is obtained by melt-spinning an aromatic polyester such as polyethylene terephthalate as a core component and a polyolefin such as polyethylene containing 0.1-5wt.% of a hydrophilizing agent such as the mixture of a sodium 15C alkyl sulfonate with stearyl monoethanolamine as a sheath component into sheath-core conjugate filaments, cooling the spun filaments with cold wind, simultaneously taking off the filaments with an ejector, opening the taken filaments, collecting the opened filaments on a moving conveyer, and subsequently integrally heat-pressing the formed filament web without a grooved heat roll so as to partially adhere the sheath components to each other. The obtained nonwoven fabric has a bending resistance of $\leq 50\text{mm}$ in the longitudinal direction, an area shrinkage rate of $\leq 3\%$ at 120°C and a shrinkage rate of 0.5% in the latitudinal direction at 120°C .

Legal Status: There is no Legal Status information available for this patent